## 032301.205.seq.ST25.txt SEQUENCE LISTING

|             | SEQUENCE LISTING   |     |
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| <110>       | BATHE, Brigitte  |     |
| <120>       | NUCLEOTIDE SEQUENCES WHICH CODE FOR THE SIGN GENE  |     |
| <130>       | 032301 WD 295  |     |
| <160>       | 4  |     |
| <170>       | Patentin version 3.1   |     |
| ∢210>       | 1  |     |
|             | 1148   |     |
|             | DNA  |     |
|             | Corynebactorium glutamicum   |     |
|             | 1 The state of the amicum  |     |
| <220>       |  |     |
| <221>       | COR  |     |
| <222>       | (302)(919)   |     |
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| <400> 7     |  |     |
| trattyat    | Ty Character North   |     |
|             | . Ty ctytojetas alcalegica tettigggge glastegaty cessasitgeg   | 20  |
| ობმიიმბნ    | go gattagtore ascartted of gottons   | 60  |
| grgaogta    | ga acattette decetagate tgaagtggta catatgtet anctgatgtg  | 130 |
| gtggacno    | ye qqqqqtaqaq taaaqtetaa qeaacaqete acqtqqetit acaqetacce  | 180 |
| ccdrawddi   | to tightethet eggaageaga atagecaaca egeatteteg aaaggggeea  | 240 |
| c aty got   | gas add coa tour man a tagedaaca egeattiteg aaaggggdea   | 300 |
|             | gua aac cga acc ggc aca gtc gat gga gac gcg ttg gct gcc Glu Aan Arq Thr Gly Thr Val Asp Gly Asp Ala Leu Ala Ala          | 349 |
|             | Has gag yay goa etg coa etc ett gae cag etc tat gge ggt Lu Glu Glu Ala Leu Pro Leu Leu Asp Gln Leu Tyr Gly Gly 20 25     | 397 |
| ,           | go alg act aga dat occ goa gat gog gaa gat otc gtg caa<br>ig Met Thr Arg Asn Pro Ala Asp Ala Glu Asp Leu Val Gln<br>45   | 445 |
| -,.         | of alle day gog the day gog the gog ago the day con gge or lie Lys Ala Tyr Gln Ala Phe Ala Ser Pho Lys Pro Gly 55        | 493 |
|             | y ang get tgg oto tot ogg ato atg acg ant acc the atc<br>on Lys Ala Trp Leu Tyr Arg Ile Met Thr Asn Thr Tyr Ile<br>70 75 | 541 |
|             | c cga ang ang cag cag com tog cam acc tot goo gat<br>f Aug Lys Lys Gln Arg Gln Pro Ser Gln Thr Ser Ala Asp<br>85         | 589 |
| aaa wre det | gae tae cag ete git gaa tot eaa tog cat acc toa aca<br>Page 1  | 637 |

| 31u (Le Thr Asp Tyr Gln Leu Val Glu Ser Gln Ser His Thr Ser Thr<br>100 105 110  |      |
|---|------|
| ggg chg gan bee gee gag gbb gag geb chg ana aab chg cea gae gga<br>Gly Leu Glu Ser Ala Glu Vai Glu Ala Leu Lys Asn Leu Pro Asp Gly<br>115 120 125 | 685  |
| and att ggo gat gen atg mat can oto ago cog gan tao ogg atg gtg<br>Lys 110 Gly Asp Ala Met Asn Gln Leu Ser Pro Glu Tyr Arg Met Val<br>130 135 140 | 733  |
| get tat tut yee gat gea gaa gat ete gea tae aaa gaa ate gee gag<br>Val Tyr Tyr Ala Asp Val Glu Asp Leu Ala Tyr Lys Glu Ile Ala Glu<br>150 155     | 781  |
| The Mot Asp Val Pro Lep Gly Thr Val Met Ser Arg Leu His Arg Gly 165   | 829  |
| Arg Lys Gln Lou Arg Gly Met Lou Lys Glu Val Ala Lys Glu Gln Gly 180 180   | 877  |
| att ggt ett gam eat eee gae mig mag maa amt teg gog gem<br>The Gly Leu Glu Him Pro Amp Met Lym Lym Amn Ser Glu Ala<br>195 200 205                 | 919  |
| Lancgatgae quatercane egeagegaet egeaaggtga ttgliggetge eetgaattel  |      |
| togatyanat gtalcaquta etogacqate aactoagega gtoegectge gagegrotge   | 979  |
| quattoacgo ggcaggctgo coggcatgco agomactgct agaggcogam roggagttto   | 1039 |
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|   | 1148 |
| <210> 2<br><211> 206  |      |
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| 1100  |      |
| ·   |      |
| Met Ala Glu Asn Arg Thr Gly Thr Val Asp Gly Asp Ala Leu Ala Ala 1 5 10 15   |      |
| And the Glu Glu Ala Leu Pro Lou Leu Asp Gln Leu Tyr Gly Gly 25  |      |
| Ala Lou Arg Net Thr Arg Asn Pro Ala Asp Ala Glu Asp Leu Val Gln 45  |      |
| Asp Thr Tyr 110 Lys Ala Tyr Gln Ala Phe Ala Ser Phe Lys Pro Gly 50 60   |      |

Page 2

|  |                          |           |                          |            |            |            |               | 0          | 3230       | 1.20       | 5.se       | q.ST       | 25. ლ      | хt         |            |            |  |    |
|--|--------------------------|-----------|--------------------------|------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--|----|
| T1:  |                          | រភព       | Leu                      | նչո        | A.La       | Trp<br>70  | Leu           |            | Arg        |            |            |            |            |            | Tyr        | Ile<br>80  |  |    |
| As   | n M                      | let       | Ţyr                      | Arg        | Lys<br>85  | Lys        | Gln           | Λrg        | Gln        | Pro<br>90  | Ser        | Gln        | Thr        | Ser        | Ala<br>95  | Asp        |  |    |
| G.I  | u E                      | le        | Thr                      | 100<br>Ysb | Tyr        | Gln        | Leu           | Val        | Glu<br>105 | Ser        | Gln        | Ser        | His        | Thr<br>110 | Ser        | Thr        |  |    |
| 61   | y L                      | ou        | Glu<br>115               | Ser        | Ala        | GLu        | Val           | G1u<br>120 | Ala        | Leu        | Lys        | Asn        | Leu<br>125 | Pro        | Asp        | Gly        |  |    |
| L  |                          | Le<br>.30 | Gl.y                     | Asp        | Ala        | Met.       | Asn<br>135    | Gln        | Leu        | Ser        | Pro        | Glu<br>140 | Tyr        | Arg        | Met        | Val        |  |    |
| Va<br>14   |                          | 'yr       | Tyr                      | ΛΙа        | Asp        | Val<br>150 | Glu           | Asp        | Leu        | Ala        | Tyr<br>155 | Lys        | Glu        | ſle        | Ala        | Glu<br>160 |  |    |
| IJ   | .e М                     | let       | Азр                      | Val        | Pro<br>165 | Leu        | Gly           | Thr        | Val        | Met<br>170 | Ser        | Arg        | Lou        | His        | Arg<br>175 | Gly        |  |    |
| Λ'n  | J Ľ                      | ıλn       | ©1n                      | 180<br>Fen | Arg        | Glγ        | Met           | Leu        | Lys<br>185 | Glu        | Val        | Ala        | Lys        | Glu<br>190 | Gln        | Gly        |  |    |
| []   | .6 G                     | 31y       | Leu<br>195               | Glu        | liis       | Pro        | Asp           | Mat<br>200 | Lys        | Lys        | Asn        | Sor        | Glu<br>205 | Ala        |            |            |  |    |
| <210> 3<br><211> 28<br><212> DNA<br><213> Corynebacterium glutamicum |                          |           |                          |            |            |            |               |            |            |            |            |            |            |            |            |            |  |    |
| <400> 3<br>caggtandft thegamaggg goomoatg                            |                          |           |                          |            |            |            |               |            |            |            |            | 28         |            |            |            |            |  |    |
| <2<br><2   | 10><br>11><br>12><br>13> | · 2       | i<br>18<br>DNA<br>Cot yi | nebad      | cteri      | Lum c      | <b>j</b> luta | amicu      | ım         |            |            |            |            |            |            |            |  |    |
| <4   | 00>                      | - 4       | •                        |            | :cagy      |            |               |            |            |            |            |            |            |            |            |            |  | 28 |